



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010492
CERTIFICATION DATE: December 11, 2013
DATE RECERTIFICATION DUE: June 9, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Timmy L. Neece, Jr.
Forensic Scientist

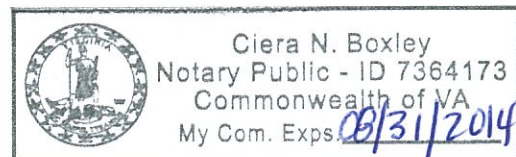
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of January, 2014 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

msk



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 12/13/2013

HMS
TLN

Instrument Serial Number: 010492 **As of 13-Dec-13**

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
11-Dec-13	11-Dec-13	HMS (18910)	REPLACED PRINTER RIBBON, REPLACED UPS BACK-UP BATTERY, FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
01-Jul-13	01-Jul-13	DBH (21250)	CERTIFIED.
10-Apr-13	10-Apr-13	TLN (25387)	CERTIFIED. REPLACED PRINTER.
15-Jan-13	15-Jan-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
25-Jul-12	25-Jul-12	DBH (21250)	CERTIFIED.
07-Feb-12	07-Feb-12	TLN (25387)	CERTIFIED.
04-Jan-12	04-Jan-12	DBH (21250)	MOVED INSTRUMENT TO NEW LOCATION, CERTIFIED
17-Aug-11	17-Aug-11	SED (24178)	REPLACED DRY GAS STANDARD. CERTIFIED.
15-Mar-11	15-Mar-11	RJP (22428)	CERTIFIED.
29-Sep-10	29-Sep-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
09-Apr-10	09-Apr-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
19-Oct-09	19-Oct-09	RJP (22428)	CERTIFIED.
08-May-09	08-May-09	RJP (22428)	CERTIFIED.
14-Apr-09	14-Apr-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
06-Feb-09	06-Feb-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

AMS
TLV

INTOX EC/IR II

Quality Assurance Worksheet

Instrument Serial Number 010492 Worksheet Start Date 12/11/2013

Location Amherst County

Address 219 S. Riverview Rd, Amherst, VA 24572

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 750 Reference Barometer (mm HG) 752

Reference Barometer(RB)Serial # 009113 RB Calibration Due 5/8/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.300	0.295	0.286	0.303	0.298
Precision		sample min	sample max	Sample 2
0		0.298	0.298	0.298

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.100	0.098	0.095	0.101	0.099
Precision		sample min	sample max	Sample 2
0		0.099	0.099	0.099

Dry gas standard Lot No. (with tank no.) AG320502-25

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

50

Notes:

Replaced printer ribbon. Replaced UPS back-up battery. Firmware/software upgrade.

Instrument Serial Number

010492

Certification Date

12/11/2013

☒ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.245
0.250	0.246	0.238	0.253	Sample 2	0.245
Precision		sample min	sample max	Sample 3	0.244
0.001		0.244	0.245		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.148
0.150	0.148	0.143	0.152	Sample 2	0.147
Precision		sample min	sample max	Sample 3	0.147
0.001		0.147	0.148		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.079	0.076	0.082	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

12/13/13

Issuing Analyst


msk

Date

12/16/13

Intox EC/IR-II: Accuracy Check

AND
TLN

Department of Forensic Science

Serial Number: 010492 Test Number: 1540
Test Date: 12/11/2013 Test Time: 12:55 EST
Dry Gas Target: 0.296
Lot Number: AG322702-08 Exp Date: 08/15/2015
Tank Pressure: 448 psi Barometric Pressure: 751 mmHg
System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:55
CHK	0.296	12:56
BLK	0.000	12:58
CHK	0.295	12:58
BLK	0.000	13:00
CHK	0.294	13:01

Test Status: *Success*

Calibration CRC: 07870DB3

AMS
TLW

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010492 Test Number: 1541

Test Date: 12/11/2013 Test Time: 13:05 EST

Dry Gas Target: 0.099

Lot Number: AG201104-11 Exp Date: 01/11/2014

Tank Pressure: 526 psi Barometric Pressure: 750 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:06
CHK	0.098	13:06
BLK	0.000	13:08
CHK	0.097	13:09
BLK	0.000	13:10
CHK	0.097	13:11

Test Status: *Success*

Calibration CRC: 07870DB3

AMS
TLN




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/11/2013
TEST EQUIPMENT NUMBER 010492		

RESULTS: TIME SAMPLE TAKEN 13:18 EST
0.00
SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 13 Dec 2013 at 08:55

HND
TLN

Test Results

Instrument Serial Number 010492

Test # 001542 Subject-Test

Test Location 1 Department of
Test Date 11 Dec 2013

Test Location 2 Forensic Science
Test Time 13:12
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial N

License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 11 Dec 2013 End Time 13:19

Result Time 13:18

Result Date 11 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:13

Data Type BLK

Sample Value 0.000

Sample Time 13:13

Data Type CHK

Sample Value 0.097

Sample Time 13:14

Data Type BLK

Sample Value 0.000

Sample Time 13:15

Data Type SUBJ

Sample Value 0.000

Sample Time 13:16

Data Type BLK

Sample Value 0.000

Sample Time 13:17

Data Type SUBJ

Sample Value 0.000

Sample Time 13:18

Data Type BLK

Sample Value 0.000

Sample Time 13:19

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG201104-11

Standard Expiration Date 01/11/2014

Tank Pressure 512

Barometric Pressure 750 mmHg

Blow Sample Number 1 Blow Duration 3.30 sec

Blow Volume 1733 cc End-of-Blow Time 13:16

Blow Sample Number 2 Blow Duration 3.52 sec

Blow Volume 1726 cc End-of-Blow Time 13:18

Tamper Evident Stamp e5ee440e

Test Status Code 0

Test Status Success

ANS
TLN

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010492

System Date: 12/11/2013

System Time: 13:54 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

AMS
TLN

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010492 Test Number: 1543

Test Date: 12/11/2013 Test Time: 13:56 EST

Dry Gas Target: 0.099

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 536 psi Barometric Pressure: 749 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:56
CAL	0.099	13:57

Test Status: *Success*

Calibration CRC: 6203859B

HMS
TLV

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010492 Test Number: 1544
Test Date: 12/11/2013 Test Time: 14:00 EST

Technician Initials: HMS

Dry Gas Target: 0.246

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 164 psi Barometric Pressure: 749 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:01
BLK	0.000	14:01
CHK	0.245	14:02
BLK	0.000	14:04
CHK	0.245	14:05
BLK	0.000	14:06
CHK	0.244	14:07
BLK	0.000	14:09

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010492 Test Number: 1545
Test Date: 12/11/2013 Test Time: 14:10 EST

Technician Initials: *HMS*

Dry Gas Target: 0.148

Lot Number: 2951215012-02 Exp Date: 11/01/2014

Tank Pressure: 536 psi Barometric Pressure: 749 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	14:11
BLK	0.000	14:11
CHK	0.148	14:12
BLK	0.000	14:13
CHK	0.147	14:14
BLK	0.000	14:16
CHK	0.147	14:16
BLK	0.000	14:18

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010492 Test Number: 1546
Test Date: 12/11/2013 Test Time: 14:20 EST

Technician Initials: HMS

Dry Gas Target: 0.079

Lot Number: 0771308012-04 Exp Date: 05/01/2015

Tank Pressure: 659 psi Barometric Pressure: 749 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:20
BLK	0.000	14:21
CHK	0.079	14:21
BLK	0.000	14:23
CHK	0.079	14:23
BLK	0.000	14:25
CHK	0.079	14:25
BLK	0.000	14:27

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
TLN

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010492 Test Number: 1547
Test Date: 12/11/2013 Test Time: 14:28 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0771302011-04 Exp Date: 05/01/2015

Tank Pressure: 757 psi Barometric Pressure: 749 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:29
BLK	0.000	14:30
CHK	0.019	14:30
BLK	0.000	14:32
CHK	0.019	14:32
BLK	0.000	14:34
CHK	0.019	14:34
BLK	0.000	14:36

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AMS
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010492 Test Number: 1548

Test Date: 12/11/2013 Test Time: 14:38 EST

Dry Gas Target: 0.295

Lot Number: AG322702-08 Exp Date: 08/15/2015

Tank Pressure: 443 psi Barometric Pressure: 748 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:39
CHK	0.298	14:39
BLK	0.000	14:41
CHK	0.298	14:42
BLK	0.000	14:43
CHK	0.298	14:44

Test Status: *Success*

Calibration CRC: 6203859B

AMS
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010492 Test Number: 1549

Test Date: 12/11/2013 Test Time: 14:47 EST

Dry Gas Target: 0.098

Lot Number: AG320502-25 Exp Date: 07/24/2015

Tank Pressure: 1120 psi Barometric Pressure: 748 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:48
CHK	0.099	14:48
BLK	0.000	14:50
CHK	0.099	14:51
BLK	0.000	14:52
CHK	0.099	14:53

Test Status: *Success*

Calibration CRC: 6203859B

Ans
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COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/11/2013
TEST EQUIPMENT NUMBER 010492		

RESULTS: TIME SAMPLE TAKEN 15:00 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 13 Dec 2013 at 09:13

Handwritten initials: *TLV*

Test Results

Instrument Serial Number 010492

Test # 001550 Subject Test

Test Location 1 Department of
Test Date 11 Dec 2013

Test Location 2 Forensic Science
Test Time 14:54
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial IV

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 11 Dec 2013 End Time 15:01

Result Time 15:00

Result Date 11 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:54

Data Type BLK

Sample Value 0.000

Sample Time 14:55

Data Type CHK

Sample Value 0.099

Sample Time 14:56

Data Type BLK

Sample Value 0.000

Sample Time 14:57

Data Type SUBJ

Sample Value 0.000

Sample Time 14:58

Data Type BLK

Sample Value 0.000

Sample Time 14:59

Data Type SUBJ

Sample Value 0.000

Sample Time 15:00

Data Type BLK

Sample Value 0.000

Sample Time 15:01

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG320502-25

Standard Expiration Date 07/24/2015

Tank Pressure 1120

Barometric Pressure 748 mmHg

Blow Sample Number 1 Blow Duration 3.42 sec

Blow Volume 1761 cc End-of-Blow Time 14:58

Blow Sample Number 2 Blow Duration 3.44 sec

Blow Volume 1793 cc End-of-Blow Time 15:00

Tamper Evident Stamp 69d72e3f

Test Status Code 0

Test Status Success